JC03 Rec'd PCT/PTC T 8 JAP 2002 T \$

FORM PT (REV. 12-		ATTORNEY 'S DOCKET NUMBER									
L	TRANSMITTAL LETTER TO THE UNITED STATES										
[	DESIGNATED/ELECTED OFFICE (DO/EO/US)	U S APPLICATION NO (If known, see 37 CFR 1 5									
TATE I	CONCERNING A FILING UNDER 35 U.S.C. 371	10/031359									
4	PCT/CA01/00723 INTERNATIONAL FILING DATE 24 May 2001	PRIORITY DATE CLAIMED 24 May 2000									
	TITLE OF INVENTION High Resolution Phase Frequency Detectors										
APPLI	APPLICANT(S) FOR DO/EO/US John W. BOGDAN										
Applic	Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:										
1.	1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.										
2.	2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.										
3. 🗌	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5) (6) (9) and (21) indicated below										
4.	items (5), (6), (9) and (21) indicated below.  The US has been elected by the expiration of 19 months from the priority date (Article 31).										
5.	5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))										
	a. is attached hereto (required only if not communicated by the International Bureau). b. has been communicated by the International Bureau.										
	c. is not required, as the application was filed in the United States Receiving	ing Office (RO/US).									
6. ,	An English language translation of the International Application as filed (35 U.S.)	1 A 22									
	a. is attached hereto.										
7.	b. has been previously submitted under 35 U.S.C. 154(d)(4).  Amendments to the claims of the International Antication under PCT Article 10 (										
/・□	Amendments to the claims of the International Aplication under PCT Article 19 (a. are attached hereto (required only if not communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the International Application under PCT Article 19 (in a communicated by the Inte										
1.	b. have been communicated by the International Bureau.	Juai Duleauj.									
	c. have not been made; however, the time limit for making such amendment	ents has NOT expired.									
•	d. have not been made and will not be made.										
8. 🗌	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).										
9. <del>[[</del> ]	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).										
10.	10. An English lanugage translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).										
	ns 11 to 20 below concern document(s) or information included:										
11.	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.										
12.	An assignment document for recording. A separate cover sheet in compliance v	with 37 CFR 3.28 and 3.31 is included.									
13.	A FIRST preliminary amendment.										
14.	A SECOND or SUBSEQUENT preliminary amendment.										
15.	A substitute specification.										
16.	A change of power of attorney and/or address letter.										
17.	A computer-readable form of the sequence listing in accordance with PCT Rule	13ter.2 and 35 U.S.C. 1.821 - 1.825.									
18.	A second copy of the published international application under 35 U.S.C. 154(d)	)(4).									
19.	A second copy of the English language translation of the international application	on under 35 U.S.C. 154(d)(4).									
20.	Other items or information:										
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U.S. APPLICATION NO. (France)	31359	ATTORNEY'S DOCKET NUMBER								
21. The follow	21. The following fees are submitted:				CALCULATIONS PTO USE ONLY					
	L FEE (37 CFR 1.492 (	-		- 10 002 0121						
Neither internation	nal preliminary examina									
nor international se	earch fee (37 CFR 1.44 Search Report not prepa									
International prelin	ninary examination fee ational Search Report p									
International prelin but international se	ninary examination fee arch fee (37 CFR 1.445									
International prelin	ninary examination fee ot satisfy provisions of l									
International prelin	ninary examination fee fied provisions of PCT.									
ENTE	R APPROPRIATE	E BASIC FEE AMO	UNT =	\$ 6	390.00					
Surcharge of \$130.0 months from the ear	0 for furnishing the oat liest claimed priority da	h or declaration later than ate (37 CFR 1.492(e)).	20 30	\$						
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$						
Total claims	41 - 20 =	21	x \$18.00	<u> </u>	78.00					
Independent claims	-3 =		x \$84.00	\$	10:00					
MULTIPLE DEPENI	DENT CLAIM(S) (if a	pplicable)	+ \$280.00	\$ 2	80.00					
	TOTAL	OF ABOVE CALCU	LATIONS =		48.00					
Applicant claim are reduced by	s small entity status. S 1/2.	ee 37 CFR 1.27. The fees		\$						
		S	UBTOTAL =	\$ 7	74.00					
Processing fee of \$13	30.00 for furnishing the	English translation later t	han 20 30		7700					
months from the earl	iest claimed priority da	te (37 CFR 1.492(f)).  TOTAL NATIO		\$						
		\$ 7	74.00							
fee for recording the accompanied by an a	enclosed assignment ( ppropriate cover sheet (	\$								
		\$ 7.	74.00							
	Amount to be refunded:									
0 *				(	harged:	\$				
a. A check in t	he amount of \$	to cover the	ne above fees is enclos	ad						
b. Please charg A duplicate	ge my Deposit Account copy of this sheet is en-	No in closed.	the amount of \$		_ to cover the	e above fees.				
c. The Commis	ssioner is hereby author	rized to charge any additio	nal fees which may be	ramir	ad ar anadit a					
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No A duplicate copy of this sheet is enclosed.										
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.										
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NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.										
John W. BOGDAN  1210 Major Stv.  Ottawa, ON K2C252  CANADA  T. W. Bogdan  SIGNATURE  John W. BOGDAN  NAME  REGISTRATION NUMBER										
12	10 Major S	hu	W. BOR	SDAN						
Otto	awa ON	)								
CANADA REGISTRATION NUMBER										